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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/677,403	09/30/2000	CARL A. EDLUND	1018.125US1	6921

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EXAMINER

BURGE, LONDRA C

ART UNIT PAPER NUMBER

2178

DATE MAILED: 01/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/677,403	Applicant(s) EDLUND ET AL.	
	Examiner Londra C Burge	Art Unit 2178	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 August 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16, 28 and 29 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-16, 28 and 29 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is responsive to communications: Amendment filed 8/20/2004.
2. Claims 1-29 are pending, Claims 17-27 have been cancelled and claims 1, 7 and 28 are independent claims.
3. In the amendment, the rejections of claim 17-27 have been withdrawn because these claims have been cancelled.

Claim Rejections - 35 USC § 103

3. **The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:**

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. **Claims 1-3, 7-10, 12, 15-16, and 28-29 remain rejected under 35 U.S.C. 103(a) as being unpatentable over Wies et al. (herein after Wies) US Patent No. 6,161,126 filed 2/2/1999, in view of Conrad et al. (herein after Conrad) US Patent No. 6,028,605 filed 2/3/1998.**

In regard to independent claim 1, Wies disclose *a pair of interfaces associated with each external component for communication between the external component and the core engine, wherein the mechanism and the external component communicate through the pair of interfaces to confirm participation* (Wies Abstract Line 4 Wies Col 23 Line 35-38 i.e. external client machine and Col 22 Lines 55-57, Col 28 Lines 5-65 and Col 29 Lines 1-67)

Wies does not specifically mention *discloses a markup language core engine for providing categories of behaviors including layout and rendering behaviors at least one external component designed to provide categories of external component behaviors including at least one of an external component layout behavior and as external component rendering behavior in addition to the behaviors provided by the core engine a mechanism included in the core engine to extend a selected category of behavior of the core engine with the behaviors of the same category of the at least one external component, such that the behaviors of the same category of the at least one external component participate with the behaviors of the core engine.* However, Conrad mentions categories that can be selected and used for plug-ins, a special-purpose component designated to be a mechanism for extending functionality of already deployed system (Conrad Abstract, Col 2 Lines 1-15, Col 3 Lines 39-48 Lines 63-67, Col 10 Lines 46-60 and Col 4 Lines 45-55) It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Conrad to Wies, providing Wies the benefit of having categories for core engine plug-ins to ensure the plug in is compatible.

In regard to dependent claim 2, Wies discloses *wherein a first interface of each pair is exposed by the external component for querying by the mechanism* (Wies Abstract Line 4 Wies Col 23 Line 35-38 i.e. external client machine and Col 22 Lines 55-57), *and a second interface of each pair is exposed by the mechanism for querying by the external component.* (Wies Abstract Line 4 Wies Col 23 Line 35-38 i.e. external client machine and Col 22 Lines 55-57)

In regard to dependent claim 3, Wies discloses *wherein the behaviors provided by one of the at least one external component* (Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Wies Col 23 Line 35-38 i.e. external client machine) *override*

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comparable behaviors of the core engine (Wies Col 18 Lines 60 i.e. override Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Col 23 Line 2 browser engine)

In regard to independent claim 7, Wies discloses *a method of the external component to determine how the behavior of the external component participates with the behavior of the core engine* (Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Col 23 Line 2 browser engine); *calling behavior method of the external component for the external component to provide the behavior of the external component when the core engine is providing the behavior of the core engine, so that the behavior of the external component participates with the behavior of the core engine* (Wies Col 23 Line 35-38 i.e. external client machine Wies Col 18 Lines 60 i.e. override Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Col 23 Line 2 browser engine); *and, receiving a call to a corresponding behavior method of the mechanism for the external component to communicate with the core engine during participation of the behavior of the external component with the behavior of the core engine.* (Wies Col 20 Lines 25-29 Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Wies Col 23 Line 35-38 i.e. external client machine Wies Col 12 Lines 9-13 Col 23 Line 2 browser engine)

Wies does not specifically mention *belonging to a same category of behavior, wherein the core engine behavior and the external component behavior belong to the same category of behavior and participation includes supplementing core engine behavior with external component behavior in one more and participation included replacing core engine behavior with external component behavior in another mode.* However, Conrad mentions categories that can be

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selected and used for plug-ins, a special-purpose component designated to be a mechanism for extending functionality of already deployed system (Conrad Abstract, Col 2 Lines 1-15, Col 3 Lines 39-48 Lines 63-67, Col 10 Lines 46-60 and Col 4 Lines 45-55) It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Conrad to Wies, providing Wies the benefit of having categories for core engine plug-ins to ensure the plug in is compatible.

Wies does not specifically mention an initialization method. However, Conrad mentions an initialization method (Conrad Col 8 Lines 16-17) It would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Conrad to Wies, providing Wies the benefit of an initialization service for caching of different items as taught by Conrad Col 8 Lines 15-16.

In regard to dependent claim 8, Wies discloses *wherein the mechanism is part of the core engine* (Wies Col 22 Lines 55-57 Col 23 Line 2 browser engine)

In regard to dependent claim 9, Wies discloses *wherein the behavior is the layout behavior*. (Wies Col 3 Lines 35-63 i.e. HTML, Layout)

In regard to dependent claim 10, Wies discloses *wherein the behavior is fully delegated to the external component from the core engine* (Wies Col 4 Lines 52-55 i.e. assigned Wies Col 23 Line 35-38 i.e. external client machine and Col 23 Line 2 browser engine), *which is specified by the external component in response to ... the external component*. (Wies Col 23 Line 35-38 i.e. external client machine)

Weis does not specifically mention *calling the behavior initialization method*. However, Conrad mentions an initialization service (Conrad Col 8 Lines 16-17). It would have been

obvious to one of ordinary skill in the art at the time the invention was made to apply Conrad to Wies, providing Wies the benefit of have an initialization step to supply a set of queries as taught by Conrad Col 8 Lines 16-17.

In regard to dependent claim 12, Wies discloses *wherein the behavior is the rendering behavior*. (Wies Col 19 Lines 50-64 HTML, rendering)

In regard to dependent claim 15, Wies discloses *further initially comprising call a query method of the external component implementing the behavior*. (Wies Abstract Line 4 Wies Col 23 Line 35-38 i.e. external client machine and Col 22 Lines 55-57) (Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering)

In regard to dependent claim 16, Wies discloses *wherein the method is performed by execution of a computer program from a computer-readable medium by a processor*. (Wies Col 48 Lines 34-38)

In regard to independent claim 28, Claim 28 reflects similar subject matter in addition to the following as claimed in claim 1 and is rejected along the same rationale. *A computer-readable medium having one or more computer programs stored thereon* (Wies Col 48 Lines 34-38)

In regard to independent claim 29, Claim 29 reflects similar subject matter as claimed in claim 1 and is rejected along the same rationale

5. **Claims 4-6, and 11 remain rejected under 35 U.S.C. 103(a) as being unpatentable over Wies et al., in view of Conrad et al. as applied to claim 1 and in further view of Ramaley et al. (herein after Ramaley) U.S. Patent No. 6,585,777 B1 filed 6/19/1999.**

In regard to dependent claim 4, Wies discloses *wherein the behaviors provided by one of the at least one external component of the core engine* (Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Col 23 Line 35-38 i.e. external client machine and Col 6 Lines 1-5 i.e. similar Col 23 Line 2 browser engine)

Wies does not specifically mention *comparable behaviors*. However, Ramaley mentions comparing files (Ramaley Col 12 Lines 31-36). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Ramaley to Wies, providing Wies the benefit of a comparison operation to determine whether support files identified by the prior file list are no longer identified by the current file list as taught by Ramaley Col 13 Lines 30-36.

In regard to dependent claim 5, Wies discloses *wherein the behaviors provided by one of the at least one external component* (Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Wies Col 23 Line 35-38 i.e. external client machine)

Wies does not specifically mention behaviors that are attached and can be applied and then removed. However, Ramaley mentions attached behaviors that can be applied and removed (Ramaley Col 9 Lines 28 i.e. connected Col 5 Lines 50-53 i.e. embedded and Col 5 Lines 54 i.e. removed). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Ramaley to Wies, providing Wies the benefit of a file embedded within a primary file that is detected and a location removed for the file to represent the embedded file as taught by Ramaley Col 5 Line 50-55.

In regard to dependent claim 6, Wies discloses *wherein the behaviors provided by one of the at least one external component are element behaviors* (Wies Col 3 Lines 35-63 i.e.

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HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Wies Col 23 Line 35-38 i.e. external client machine)

Wies does not specifically mention behaviors that are applied. However, Ramaley mentions behaviors that are applied (Ramaley Col 9 Lines 28 i.e. connected). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Ramaley to Wies, providing Wies the benefit of connecting to having an exemplary operating environment.

In regard to dependent claim 11, Wies discloses *wherein the behavior implemented by the external component is called after the ... of the core engine is performed* (Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Wies Col 23 Line 35-38 i.e. external client machine Col 23 Line 2 browser engine) *which is specified by the external component in response to calling the behavior ... of the external component* (Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Wies Col 23 Line 35-38 i.e. external client machine Col 23 Line 2 browser engine)

Wies does not specifically mention *comparable behaviors*. However, Ramaley mentions comparing files (Ramaley Col 12 Lines 31-36). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Ramaley to Wies, providing Wies the benefit of a comparison operation to determine whether support files identified by the prior file list are no longer identified by the current file list as taught by Ramaley Col 13 Lines 30-36.

Wies does not specifically mention an initialization method. However, Conrad mentions an initialization method (Conrad Col 8 Lines 16-17) It would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Conrad to Wies, providing

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Wies the benefit of an initialization service for caching of different items as taught by Conrad Col 8 Lines 15-16.

6. **Claim 13 remain rejected under 35 U.S.C. 103(a) as being unpatentable over Wies et al., in view of Conrad et al. as applied to claim 12 and in further view of Merrick et al. (herein after Merrick) U.S. Patent No. 6,636,219 B2 filed 2/26/1998, in further view of Ramaley et al. (herein after Ramaley) U.S. Patent No. 6,585,777 B1 filed 6/19/1999, and in further view of Lamping et al. (herein after Lamping) U.S. Patent No. 6,324,551 B1 filed 8/31/1998,**

In regard to dependent claim 13, Wies discloses *wherein rendering by the behavior of the external component ... rendering* (Wies Col 19 Lines 50-64 HTML, rendering Col 23 Line 35-38 i.e. external client machine) *by the ... core engine, which is specified by the external component* (Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Wies Col 23 Line 35-38 i.e. external client machine Col 23 Line 2 browser engine)

Wies does not specifically mention replacing the rendering. However, Merrick mentions replacing gestures (Merrick Col 13 Line 30). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Merrick to Wies, providing Wies the benefit of replacing gestures without concern for backward compatibility in browser control as taught by Merrick Col 13 Lines 24-32.

Wies does not specifically mention *comparable behaviors*. However, Ramaley mentions comparing files (Ramaley Col 12 Lines 31-36). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Ramaley to Wies, providing Wies the

benefit of a comparison operation to determine whether support files identified by the prior file list are no longer identified by the current file list as taught by Ramaley Col 13 Lines 30-36.

Wies does not specifically mention an initialization method. However, Conrad mentions an initialization method (Conrad Col 8 Lines 16-17) It would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Conrad to Wies, providing Wies the benefit of an initialization service for caching of different items as taught by Conrad Col 8 Lines 15-16.

Wies does not specifically mention calling a behavior and receiving a call. However, Lamping mention a call being made to a document management system (DMS) (Lamping Col 58-59). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Lamping to Wies, providing Wies the benefit of having a call made to allow the DMS to function so as to achieve the intended concepts of the invention as taught by Lamping Col 10 Lines 51-65.

7. Claim 14 remain rejected under 35 U.S.C. 103(a) as being unpatentable over Wies et al., in view of Conrad et al. as applied to claim 12, in further view of Ramaley et al. (herein after Ramaley) U.S. Patent No. 6,585,777 B1 filed 6/19/1999, and in further view of Lamping et al. (herein after Lamping) U.S. Patent No. 6,324,551 B1 filed 8/31/1998,

In regard to dependent claim 14, Wies discloses *wherein rendering by the behavior of the external component intersperses with rendering or the core engine* (Wies Col 3 Lines 35-63 i.e. HTML, Layout and Col 19 Lines 50-64 HTML, rendering and Wies Col 23 Line 35-38 i.e. external client machine Col 23 Line 2 browser engine)

Wies does not specifically mention *comparable behaviors*. However, Ramaley mentions comparing files (Ramaley Col 12 Lines 31-36). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Ramaley to Wies, providing Wies the benefit of a comparison operation to determine whether support files identified by the prior file list are no longer identified by the current file list as taught by Ramaley Col 13 Lines 30-36.

Wies does not specifically mention an initialization method. However, Conrad mentions an initialization method (Conrad Col 8 Lines 16-17) It would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Conrad to Wies, providing Wies the benefit of an initialization service for caching of different items as taught by Conrad Col 8 Lines 15-16.

Wies does not specifically mention calling a behavior and receiving a call. However, Lamping mention a call being made to a document management system (DMS) (Lamping Col 58-59). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Lamping to Wies, providing Wies the benefit of having a call made to allow the DMS to function so as to achieve the intended concepts of the invention as taught by Lamping Col 10 Lines 51-65.

Response to Arguments

8. **Applicant's arguments filed 8/20/2004 have been fully considered but they are not persuasive.**

The applicant argues the neither Weis nor Conrad show an external component that extends the behavior of a core engine. However, Weis and Conrad both disclose of plug-ins that

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are used to extend the functionality of a component (Weis Col 28 Lines 5-65 and Col 29 Lines 1-67 and Conrad Col 4 Lines 45-55).

The applicant also argues that no categories are used to relate the core engine to the external component. However, Conrad mentions categories that can be selected and used for plug-ins, a special-purpose component designated to be a mechanism for extending functionality of already deployed system (Conrad Abstract, Col 2 Lines 1-15, Col 3 Lines 39-48 Lines 63-67, Col 10 Lines 46-60 and Col 4 Lines 45-55) It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Conrad to Wies, providing Wies the benefit of having categories for core engine plug-ins to ensure the plug in is compatible.

The applicant also argues no interface associated with the external component and core engine are disclosed. However. Weis mentions interfaces that are used (Wies Abstract Line 4 Wies Col 23 Line 35-38 i.e. external client machine and Col 22 Lines '55-57, Col 28 Lines 5-65 and Col 29 Lines 1-67).

The applicant also argues that Conrad failed to provide calling a behavior initialization method. However, Conrad mentions an initialization method (Conrad Col 8 Lines 16-17) It would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Conrad to Wies, providing Wies the benefit of an initialization service for caching of different items as taught by Conrad Col 8 Lines 15-16.

The applicant also argues that Ramalay failed to teach the deficiencies of Weis and Conrad. However, Ramaley mentions comparing files (Ramaley Col 12 Lines 31-36). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Ramaley to Wies, providing Wies the benefit of a comparison operation to determine whether

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support files identified by the prior file list are no longer identified by the current file list as taught by Ramaley Col 13 Lines 30-36. Ramaley mentions attached behaviors that can be applied and removed (Ramaley Col 9 Lines 28 i.e. connected Col 5 Lines 50-53 i.e. embedded and Col 5 Lines 54 i.e. removed). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Ramaley to Wies, providing Wies the benefit of a file embedded within a primary file that is detected and a location removed for the file to represent the embedded file as taught by Ramaley Col 5 Line 50-55.

The applicant also argues that Lamping failed to teach the deficiencies of Weis and Conrad. However, Lamping mention a call being made to a document management system (DMS) (Lamping Col 58-59). It was have been obvious to one of ordinary skill in the art at the time the invention was made to apply Lamping to Wies, providing Wies the benefit of having a call made to allow the DMS to function so as to achieve the intended concepts of the invention as taught by Lamping Col 10 Lines 51-65.

Conclusion

9. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

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CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

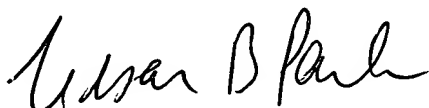
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Londra C Burge whose telephone number is (571) 272-4122.

The examiner can normally be reached on 8:30am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Hong can be reached on (571) 272-4124. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Londra C Burge
1/14/05



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